

## ABSTRACT OF THE DISCLOSURE

An AD-converted digital video data is encoded by a difference encoding method before it is outputted and such encoded digital video data is then outputted after it is converted to the gray code or to the predetermined code in which a fixed value is added. Thereby, the problems that power supply noise generated when the AD conversion circuit outputs a video data migrates into the CCD side via the power supply line (Vcc line and ground line) on the printed circuit board and that the power supply noise appears on the display image by migration into the input terminal side from the output circuit side via the power supply line and semiconductor substrate within the AD conversion LSI in the existing imaging system can be solved.